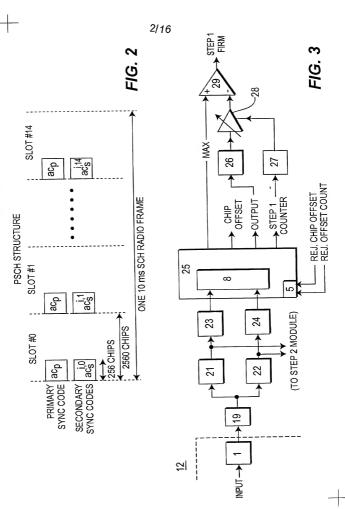
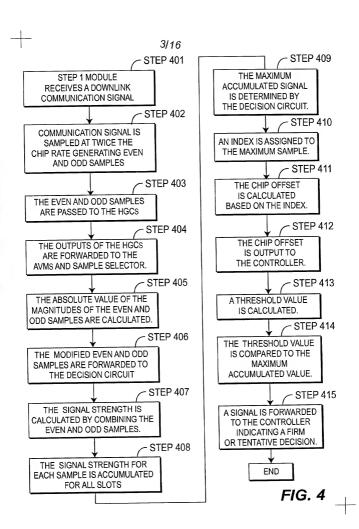


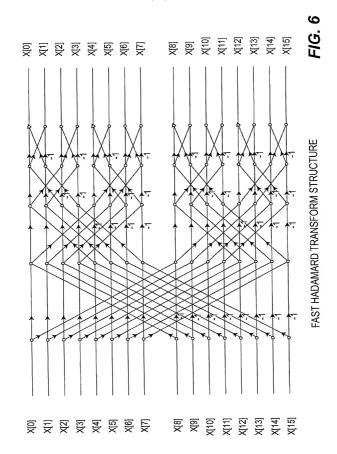
FIG. 1





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FIG. 5



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•	_ ELEMENTS OF FHT OUTPUT _						
INPUT MATRIX =	x _{1,1}	×1,2	•	•	٠	X _{1,16}	
	x _{2,1}	x _{2,2}	•		•	x _{2,16}	
	•	•	$x_{i,j}$	•	•	•	
					•	•	
	_X15,1	X _{15,2}	•	•	•	^X 15,16_	15 x 16

i = 1,2,3,.....15 SLOTS j = 1,2,3,.....16 ELEMENTS PER SLOT FROM HGC OUTPUT

FIG. 7

i = 1,2,3,.....64 GROUPS i = 1,2,3,.....15 SLOTS

 $x_{i,i}$ = S-SCH CODES. ONE OUT OF 16 PER SLOT.

FIG. 8

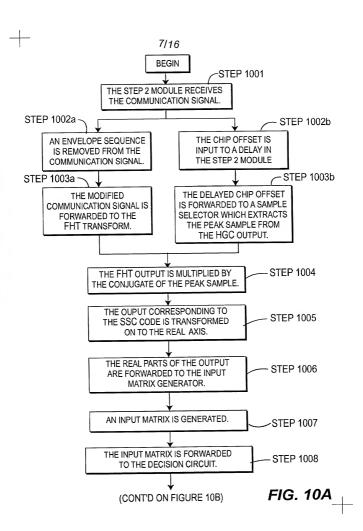
$$\text{CORRELATION MATRIX} = \begin{bmatrix} c_{0,0} & c_{0,1} & \cdot & \cdot & c_{0,14} \\ c_{1,0} & c_{1,1} & \cdot & \cdot & c_{1,14} \\ \cdot & \cdot & c_{i,j} & \cdot & \cdot \\ \cdot & \cdot & \cdot & \cdot & \cdot \\ c_{63,0} & c_{63,1} & \cdot & \cdot & c_{63,14} \end{bmatrix}_{64 \times 15} \text{PER FRAME}$$

 $c_{i,j} = \inf_{k} \text{INPUT MATRIX [k][CODE GROUP MATRIX[i][k]]}$

i = 0,1,2,.....63 GROUPS

j=0,1,2,.....14 CYCLIC SHIFTS RESPECT TO COLUMNS (SLOT OFFSETS). k=0,1,2,.....14 SLOTS PER FRAME.

FIG. 9



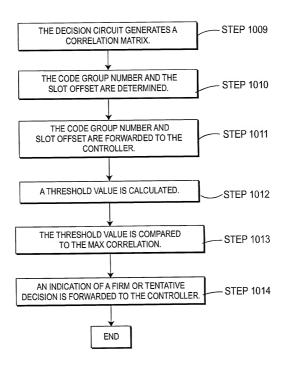


FIG. 10B

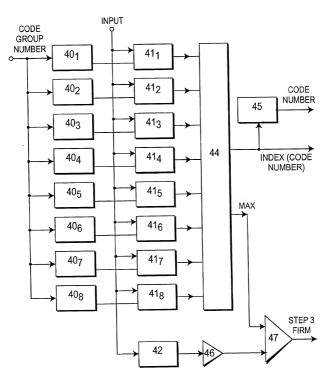


FIG. 11

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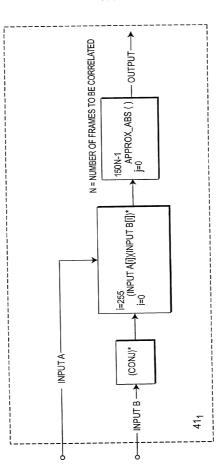


FIG. 12



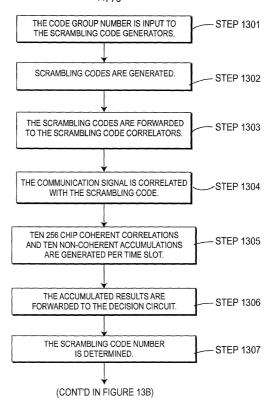


FIG. 13A

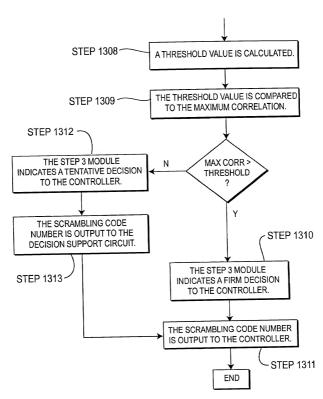
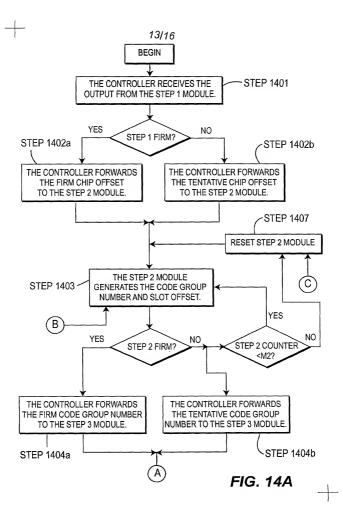


FIG. 13B



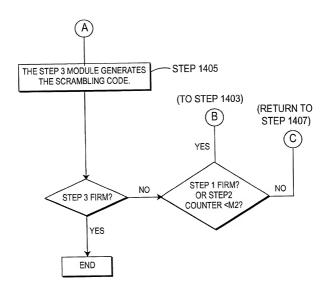
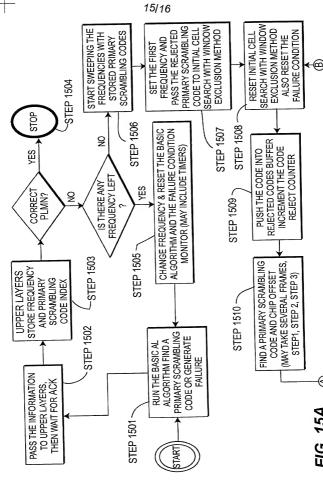


FIG. 14B



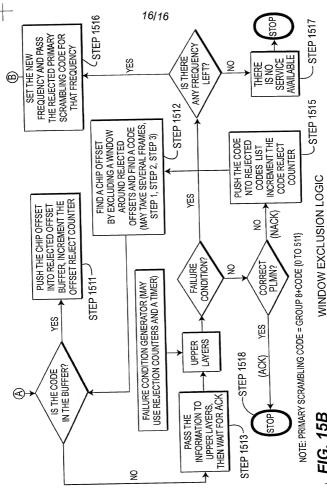


FIG. 15B